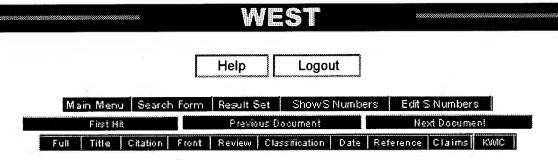
=> d his

(FILE 'HOME' ENTERED AT 10:27:40 ON 17 NOV 1999)

	FILE 'AGRICOLA, BIOSIS, CABA, CAPLUS, FOMAD, FOREGE, FROSTI, FSTA,
	JICST-EPLUS, PROMT, NTIS, SCISEARCH' ENTERED AT 10:27:59 ON 17 NOV 1999
L1	20 S (COPRA OR COCONUT) AND HEMICELLULASE
L2	11 DUP REM L1 (9 DUPLICATES REMOVED)
L3	0 S MANNOSE AND HEMICELLULASE AND FEED
L4	45 S MANNOSE AND ENZYM? AND FEED
T 5	34 DUD DEM I.4 (11 DUDITCATES REMOVED)

	WES		runnuumuumaanaanaanaanaanaanaanaanaanaanaanaanaan				
	Help	Logout					
Main Menu Search Form	Posting Counts	Show S Numbers	Edit S Numbers				
Search Results -							
	Terms coconut adj meal	Documents					
Database: EPO Abstracts Database	· · · · · · · · · · · · · · · · · · ·		√				
Refine Search:	neal .						
Search History							

DB Name	<u>Query</u>	Hit Count Set Name	
EPAB	coconut adj meal	0	<u>L17</u>
EPAB	copra adj meal	0	<u>L16</u>
EPAB	copra and feed	0	<u>L15</u>
DWPI	copra and feed	14	<u>L14</u>
DWPI	copra adj meal	. 6	<u>L13</u>
DWPI	copra	131	<u>L12</u>
DWPI	domestic adj fowl and copra adj meal	0	<u>L11</u>
DWPI	domestic adj fowl and copra adj meal and enzyme	0	<u>L10</u>
DWPI	1994jp-0838064.ap.	0	<u>L9</u>
DWDI	1004 0240962 an	Λ	ΤQ



Document Number 4

Entry 4 of 6

File: DWPI

Jul 9, 1996

DERWENT-ACC-NO: 1996-365490

DERWENT-WEEK: 199637

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Feeds contg. mannose gp. polysaccharides for prevention of Salmonella contamination - prepd. by culture of mammase producing microorganism in mannan-contg. medium to cause partial decomposition of mannan.

PATENT-ASSIGNEE: HOSHIDA S[HOSHI], SEIBUTSU KAGAKU SANGYO KENKYUSHO KK[SEIBN], YONICHI KAGAKU KENKYUSHO KKYUSHO KK[YONIN]

PRIORITY-DATA:

1994JP-0340863

December 21, 1994

PATENT-FAMILY:

PUB-NO JP 08173055 A PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

July 9, 1996

N/A

004

A23K001/16

APPLICATION-DATA:

PUB-NO

APPL-DESCRIPTOR

APPL-NO

APPL-NO

JP08173055A

December 21, 1994

1994JP-0340863

N/A

INT-CL (IPC): $\underline{A23} \times \underline{1/16}$; $\underline{A23} \times \underline{1/18}$; $\underline{A61} \times \underline{47/36}$

ABSTRACTED-PUB-NO: JP08173055A

BASIC-ABSTRACT:

Feeds for prevention of contamination with Salmonella bacteria are prepd. by culture of a mammase producing microorganism in a medium contg. mannan to cause autodigestion and partial decompsn. of mannan.

Mannan derived from various plants (e.g. Palmae, Liliaceae, soybeans and guar gum) is decomposed by culture of mannan degrading enzyme producing microorganisms (e.g. beta-mannosidase derived from Bacillus subtilis ATCC 12711 and hemicellulase derived from Aspergillus niger). The produced mannose qp. polysaccharide mixt. is used for feeds.

ADVANTAGE - Prevention of colonisation of food poisoning causative Salmonella bacteria in the intestine.

In an example, a kneaded mixt. of 100 kg of <u>copra meal</u> powder and 500 g of honey was adjusted to contain 65% of water and pH 5.0 with 0.5% citric acid. Aspergillus niger IFO 8541 was inoculated to the mixt. and cultured under aeration for 4 days. Then 100 kg of <u>copra meal</u> was added and caused to react at 50 deg. C for 12 hrs. The reaction mixt. was filtered and the filtrate was spray dried to give the mannose gp. polysaccharide contg. feed. Addn. of the prod. to feed of chicken at a rate of 0.25% resulted death rate of 0.33% due to fatty liver and egg prodn. out of grade at 1.2%, while control gp. without addn. showed corresponding rate of 1.52% and 2.8%, respectivel y.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

FEED CONTAIN MANNOSE GROUP PREVENT SALMONELLA CONTAMINATE PREPARATION CULTURE PRODUCE MICROORGANISM MANNAN CONTAIN MEDIUM CAUSE DECOMPOSE MANNAN

DERWENT-CLASS: B04 D13

CPI-CODES: B04-C02F; B14-A01A8; D03-G01; D05-A02C;

CHEMICAL-CODES:

Chemical Indexing M1 *01* Fragmentation Code M423 M710 M903 N131 Q214 V735

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-115104

